

Message

From: Wilson, Jennifer [wilson.jenniferA@epa.gov]
Sent: 3/27/2018 10:11:52 PM
To: Maraldo, Dean [Maraldo.Dean@epa.gov]; Burdett, Cheryl [burdett.cheryl@epa.gov]
Subject: Central Sands
Attachments: armenia_2017 to Jennifer.xlsx

Enforcement confidential and deliberative. Do not release for FOIAs or discoveries.

From: Kraft, George [mailto:gkraft@uwsp.edu]
Sent: Tuesday, March 27, 2018 12:14 PM
To: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Subject: RE: Groundwater Flow Direction Near Nekoosa Wisconsin

Here ya go, Jen.

There is some expectation of confidentiality for the water quality results, so we anonymize them to the ¼ ¼ section. If need be we can share exact locations, but we'll need to be careful about it.

G

From: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Sent: Tuesday, March 27, 2018 11:14 AM
To: Kraft, George <gkraft@uwsp.edu>
Subject: RE: Groundwater Flow Direction Near Nekoosa Wisconsin

Hi George,

Thank you for making these calls. I greatly appreciate it.

Also, if you have the date and times of the nitrate data in the kitchen table summary, it would be helpful to have that, too.

Thank you again,
Jenny

From: Kraft, George [mailto:gkraft@uwsp.edu]
Sent: Tuesday, March 27, 2018 11:02 AM
To: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Subject: RE: Groundwater Flow Direction Near Nekoosa Wisconsin

Hi Jennifer —

OK, I did some legwork.

I have calls into two people on the groundwater flow direction in the vicinity of the dairy who may have quite recent data on flow direction there. One is an agency person, the other a consultant who did a critical review of the available data. We'll see if one or the other pans out.

Also called Ken Bradbury, Director of the Wisconsin Geological and Natural History Survey. Ken said he'd be very happy to join me in a call confirming that the groundwater flow direction illustrated in the earlier work is good, and that groundwater flow has not substantively changed. Could get someone from USGS too

The county nurse that I alluded to stated that no substantial additional testing has happened in the last few months. But potential coordination for future sampling should be attempted.

Will let you know if/when I hear something.

G

From: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Sent: Tuesday, March 27, 2018 9:30 AM
To: Kraft, George <gkraft@uwsp.edu>
Subject: RE: Groundwater Flow Direction Near Nekoosa Wisconsin

Hi George,

Thank you for the information. I am going to give you a call in about ten minutes or less. Sorry, I just need to look something up for another matter.

Talk to you soon,
Jenny

From: Kraft, George [<mailto:gkraft@uwsp.edu>]
Sent: Tuesday, March 27, 2018 9:28 AM
To: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Subject: RE: Groundwater Flow Direction Near Nekoosa Wisconsin

Hello Jennifer --

I'm wondering if your inquiry regards goings on with high nitrate south of the area that I studied in the 1990s? I recently compiled some data out of our database and data viewer (http://gissrv2.uwsp.edu/cnr/gwc/pw_web/) and did a kitchen table meeting with a bunch of worried citizens in that area. No surprise, but the high nitrate is associated with irrigated fields in the area, many that get manure, according to locals.

Attached are a few handouts I used in that kitchen -- table meeting.

Best,

G

From: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Sent: Monday, March 26, 2018 7:09 PM
To: Kraft, George <gkraft@uwsp.edu>
Subject: Groundwater Flow Direction Near Nekoosa Wisconsin

Hi George,

I am an engineer at EPA in the Chicago office and I have a copy of the paper that you wrote with Will Stites in 2003 titled, "Nitrate impacts on groundwater from irrigated-vegetable systems in a humid north-central US sand plain". That paper shows a general groundwater flow arrow for the central sands region, but I wondered if you have more recent groundwater flow direction information than 2003. If you do, may I have a copy of that paper or information? I am looking for the groundwater flow near Nekoosa, Wisconsin.

Thank you,
Jenny

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